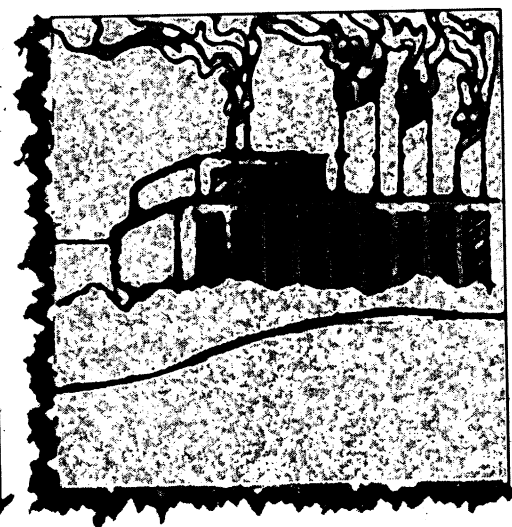
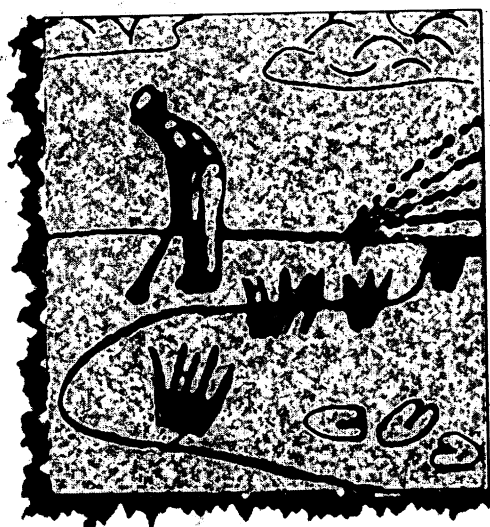
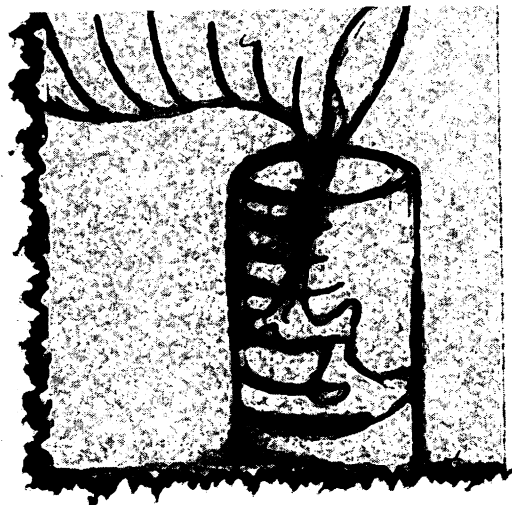


RULES OF THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
CHAPTER 40A-2, FLORIDA ADMINISTRATIVE CODE

# CONSUMPTIVE USES OF WATER



Effective July 1, 1998  
Regulatory Guidelines #98-2

- (52) **Water Resource Caution Area** – a geographic area, officially designated by the Governing Board, pursuant to Section 62-40.416(5), Florida Administrative Code, by rule that is experiencing, or is anticipated to experience within the next 20 years, critical water resource problems as provided by the criteria identified in Subsection 40A-2.801(1), Florida Administrative Code.
- (53) **Waters or Waters in the State** – any and all water on or beneath the surface or the ground or in the atmosphere, including natural or artificial watercourses, lakes, ponds, or diffused surface water and water percolating, standing, or flowing beneath the surface of the ground as well as all coastal waters within the jurisdiction of the State.
- (54) **Well** – any excavation that is drilled, cored, bored, washed, driven, dug, jetted, or otherwise constructed when the intended use of such excavation is for the location, acquisition, development or artificial recharge of ground water, but such term does not include any well for the purpose of obtaining or prospecting for oil, natural gas, minerals, or products of mining or quarrying, for inserting media to dispose of oil brines or to repressure oil-bearing or natural gas-bearing formation, or for storing petroleum, natural gas, or other products, or for temporary dewatering of subsurface formation for mining, quarrying, or construction purposes.
- (55) **Well casing size** – the nominal diameter of the well casing (e.g., 4 inch well casing means casing 4.5

inches outside diameter as a standard dimension).

- (56) **Well size** – the size of the well casing at ground level.
- (57) **Xeriscape™** – a water conserving landscaping method that incorporates the principles of design, appropriate plant selection, soil improvement, efficient irrigation, mulching, turf concentration and proper maintenance.
- (58) **Xeriscape Ordinance** – any new ordinance, landscape code or amendment to an existing ordinance or code that requires all development permitted after the effective date of the new ordinance, code or amendment to use Xeriscape landscaping.

Specific Authority 373.044 FS.  
Law Implemented 373.171, 373.203, 373.216 FS.  
History–New 10-1-82; Amended 5-17-83, 3-1-84, 1-5-86, 8-1-89, 5-31-92, 11-2-92, 11-1-93, 10-1-95, 7-1-98.

#### 40A-2.031 IMPLEMENTATION

Specific Authority 373.044, 373.113 FS.  
Law Implemented 373.103(1), 373.216, 373.226 FS.  
History–New 10-1-82; Amended 3-1-84, 1-5-86, Repealed 7-1-98.

#### 40A-2.041 PERMITS REQUIRED

- (1) The District issues two types of water use permits: Individual Water Use Permits and General Water Use Permits. No difference is intended in the legal rights to the use of water authorized by General and Individual Water Use Permits.
- (2) A permit may be requested for a single well, a single surface water withdrawal facility, or for a system, at the option of the applicant. However, the District retains the right to require a system application whenever a series of

individual facilities comes within the definition of a system.

- (3) Unless expressly exempted by law or District rule, a water use permit must be obtained from the District prior to any use or withdrawal of water according to the following criteria:

(a) A General Water Use Permit is hereby granted by rule for all non-exempt ground and surface water uses not requiring an Individual Water Use Permit and which meet the conditions, criteria and limitations set forth in Section 40A-2.302, Florida Administrative Code.

(b) In Area A, south of line one (1) or within line three (3) to the State line on the map identified in Section 40A-2.902, Florida Administrative Code, an Individual Water Use Permit is required for all non-exempt ground water withdrawals.

(c) In Area B, the area to the north of line one (1) and south of line two (2), and south of that portion of line three (3) separating Liberty and Gadsden Counties, on the map identified in Section 40A-2.902, Florida Administrative Code. An Individual Water Use Permit is required for a well or combination of wells withdrawing ground water if:

1. The withdrawal, based on a period of use of one year, exceeds a daily average of 100,000 gallons; or
2. The withdrawal is from a well or a combination of wells having a combined withdrawal capacity of more than 1,000,000 gallons per day; or

3. The withdrawal is obtained from a single well six (6) inches or larger in diameter or from any combination of two or more wells, one of which is six (6) inches or larger in diameter; or

4. The withdrawal of ground water, regardless of well diameter, is for the use of a public water supply system.

(d) In Area C, the area north of line two (2) and east and west of line three (3), in the map identified in Section 40A-2.902, Florida Administrative Code, an Individual Water Use Permit is required for a well or combination of wells withdrawing ground water if:

1. The withdrawal exceeds 1,444,000 gallons on any single day; or

2. The withdrawal is obtained from a single well ten (10) inches or larger in diameter or from any combination of two or more wells, one of which is ten (10) inches or larger in diameter; or

3. The withdrawal of ground water, regardless of well diameter, is for the use of a public water supply system.

(e) An Individual Water Use Permit is required for surface water withdrawals if:

1. A system or a single facility withdraws water from a lake, pond, impoundment, reservoir, river, stream or other surface water courses and the withdrawal:

a. exceeds an annual daily average of 100,000 gallons;

b. exceeds 1,000,000 gallons on any single day, or;

c. is more than ten (10) percent of the base flow of the supplying water body.

2. The surface water withdrawal is located within Gadsden County and the outside diameter of the withdrawal pipe or the sum of the outside diameters of the withdrawal pipes is four (4) inches or greater in size.

3. The use, regardless of the withdrawal rate, is for the use of a public water supply system.

(f) In Water Resource Caution Areas Individual Water Use Permits shall be required for ground and surface water uses as specified in Section 40A-2.802, Florida Administrative Code, except for those uses exempt by Section 40A-2.051, Florida Administrative Code.

(4) Failure to obtain a water use permit by non-exempted users creates a conclusive presumption that the use does not exist or has been abandoned, and the withdrawal will be considered in violation of this Chapter.

(5) Any person controlling a ground water or surface water withdrawal which does not require an Individual Water Use Permit may submit an application to obtain a permit.

Specific Authority 373.044, 373.113, 373.216 FS.  
Law Implemented 373.171, 373.216, 373.219, 373.224, 373.226, 373.229, 373.239 FS.

History--New 10-1-82; Amended 1-5-86, 5-4-87, 8-1-89, 5-31-92, 11-1-93, 10-1-95, 7-1-98.

#### 40A-2.051 EXEMPTIONS

(1) A water use permit shall not be required for domestic water use.

(2) An Individual Water Use Permit shall not be required for wells constructed and used for temporary testing or monitoring purposes. However, prior to the conversion of a test or monitor well to a production well, a water use permit shall be obtained from the District, if required, according to the provisions of Section 40A-2.041, Florida Administrative Code.

(3) An Individual Water Use Permit shall not be required for aquifer or ground water quality remediation projects provided the following conditions are met: the amount of water withdrawn is an annual daily average of 100,000 gallons or less, the water returned meets applicable Department of Environmental Protection water quality standards, is returned via subsurface infiltration or direct injection into the same formation and supply source from which it was obtained, the project is conducted under the supervision and auspices of the Department or U.S. Environmental Protection Agency, and a preliminary well abandonment plan is submitted to the District.

(4) An Individual Water Use Permit shall not be required for dewatering activities in construction sites, as long as the dewatering activity has a duration of six (6) months or less.

(5) An Individual Water Use Permit shall not be required for non-public supply shallow wells four (4) inches or smaller

in diameter, withdrawing an annual daily average of 15,000 gallons or less of water from the shallow sand aquifer in the portion of Permit Area A found in the counties of Bay, Okaloosa, and Walton, and which do not penetrate any competent and continuous confining formation.

- (6) An Individual Water Use Permit shall not be required for non-public supply shallow wells, having a depth no greater than one hundred (100) feet, four (4) inches or smaller in diameter, withdrawing an annual daily average of 15,000 gallons or less of water from the shallow sand aquifer in the portion of Permit Area A found in Escambia and Santa Rosa counties, and which do not penetrate any competent and continuous confining formation.
- (7) An Individual Water Use Permit shall not be required for a single non-public supply well four (4) inches or smaller in diameter, withdrawing an annual daily average of 15,000 gallons or less of water which is located in Gadsden County outside of the Upper Telogia Creek Water Resource Caution Area.
- (8) An Individual Water Use Permit shall not be required for ground water used for heating and cooling systems which withdraw less than an annual daily average of 100,000 gallons and provide for the return of non-treated uncontaminated water, by means of a closed system, to the same subsurface formation and supply source from which the water was obtained.
- (9) An Individual Water Use Permit shall not be required for water obtained from holding ponds constructed in uplands for

the purpose of storing runoff or reclaimed water.

Specific Authority 373.044, 373.113, 373.171 FS.  
Law Implemented 373.103, 373.171, 373.216, 373.219, 373.223, 373.224, 373.226 FS.  
History—New 10-1-82; Amended 5-17-83, 3-1-84, 1-5-86, 8-1-89, 5-31-92, 11-2-92, 10-1-95, 7-1-98.

#### **40A-2.101 CONTENT OF APPLICATION**

- (1) All Individual Water Use Permit applications shall include one original and one copy of the following:
  - (a) Complete information as required on NFWFMD Form No. A2-A, A2-B, A2-C, or A2-D; all of which are incorporated by reference in Section 40A-2.901, F.A.C.;
  - (b) The information required by Section 373.229, Florida Statutes;
  - (c) An accurate description of the property by Section, Township and Range on which the withdrawal facility is located and which is owned or otherwise controlled by the applicant, an accurate sketch or map showing the location and boundaries of such property and the location of existing and proposed wells and surface water withdrawal facilities as specified by the forms referenced in Subsection 40A-2.101(1), Florida Administrative Code.
  - (d) Water conservation plans and measures, if any, that are employed or are to be employed in the area of use;
  - (e) A determination of the potential impact of the withdrawal on any existing legal users and on the water resources of the area;

utilities within the Water Resource Caution Area shall be conditioned to require the submittal of water conservation plans, programs, and measures which shall be evaluated on their effectiveness to reduce water use demand and promote the efficient use of the area's water supplies.

1. The plans, programs, and measures will be reviewed specifically for standards and implementation schedules intended to reduce annual average per capita water consumption to 110 gallons per day through such actions as adoption of water conservation-based rate structures, reduction of leaks to 10 percent or less of the water withdrawn, implementation of water conservation public education programs, etc.
2. Water conservation plans, programs, and measures developed by local governments operating water supply utilities will also be reviewed to determine if a Xeriscape ordinance meeting the requirements of paragraphs 373.185(2)(a)-(f), Florida Statutes, and an ordinance requiring the installation of a rain/moisture sensor cutoff device on automatic irrigation systems pursuant to Section 373.62, Florida Statutes, have been adopted.
3. Utilities operating wastewater treatment plants shall include in the plan an analysis of the economic, environmental, and technical feasibility of providing

reclaimed water for reuse within five years and of providing total reuse of reclaimed water within 20 years.

- (d) Public water supply systems shall be required to actively participate and aid in the implementation of the goals and plans of the Walton-Okaloosa-Santa Rosa Regional Utility Authority.
- (e) Golf Course and Industrial users who withdraw water from the Floridan Aquifer System shall be required to develop, adopt, and implement water conservation plans and measures to encourage and promote water conservation and efficiency in the use of the area's water supplies, and to utilize reclaimed water if determined to be economically, environmentally, and technically feasible.

(2) Upper Telogia Creek Drainage Basin, Gadsden County

The District has determined that areas of Gadsden County have experienced reductions in water supplies and have experienced continued competition for the available water resources. Water use within portions of the County, if not properly managed, has the potential of negatively impacting the water resources, the economic base, and the agricultural industry of the County; as well as, public supply and domestic well users. To provide for the comprehensive management of the water supplies within a portion of Gadsden County, the Board hereby declares the Upper Telogia Creek Drainage Basin located within Gadsden County, Florida, as determined by United States Geological Survey 7.5

Minute Topographic Maps named, "Gretna", "Sycamore", and Mt. Pleasant", a Water Resource Caution Area (Figure 2-3). By means of this designation the following criteria are stipulated:

- (a) An Individual Water Use Permit is required for all non-exempt ground water withdrawals as in Permit Area A. The only exempt withdrawals are those designated by Section 40A-2.051, Florida Administrative Code;
- (b) An Individual Water Use Permit is required for all surface water withdrawals specified in paragraph 40A-2.041(3)(e);
- (c) As authorized by Section 373.219, Florida Statutes, to ensure water use is consistent with the overall objectives of the District, permits granted to public water supply utilities within the Water Resource Caution Area shall be conditioned to require the submittal of water conservation plans, programs, and measures which shall be evaluated on their effectiveness to reduce water use demands and promote water reuse and the efficient use of the area's water supplies. Utilities who are presently treating wastewater, or who will treat wastewater in the future, shall include in the plan an analysis of the economic, environmental and technical feasibility of providing reclaimed water for reuse within five years, and of providing total reuse of reclaimed water within 20 years; and,
- (d) Golf Course and Industrial users who shall be required to develop, adopt, and implement water conservation

plans and measures to encourage and promote water conservation and efficiency in the use of the area's water supplies, and to utilize reclaimed water if it is determined to be economically, environmentally, and technically feasible.

Specific Authority 373.044, 373.171, 373.223 FS.  
Law Implemented 373.219, 373.223, 373.250, FS.  
History--New 8-1-89; Amended 5-31-92, 11-1-93, 10-1-95.

#### 40A-2.901 FORMS

- (1) The following forms are used in the implementation of this Chapter and are hereby incorporated by reference:
  - (a) Consumptive Use Permit Application for a Public Water Supply, NFWFMD Form No. A2-A, effective July 1, 1998.
  - (b) Consumptive Use Permit Application for Agricultural, Aquaculture and Golf Course Water Uses, NFWFMD Form No. A2-B, effective July 1, 1998.
  - (c) Consumptive Use Permit Application for Landscape Uses, NFWFMD Form No. A2-C, effective July 1, 1998.
  - (d) Consumptive Use Permit Application for Other Uses, NFWFMD Form No. A2-D, effective July 1, 1998.
  - (e) Individual Water Use Permit Document, NFWFMD Form No. A2-E, effective October 1, 1995.
  - (f) Request for Consumptive Use Permit Transfer, NFWFMD Form No. A2-F, effective May 31, 1992.

(g) Annual Water Use Reporting Form, NFWFMD Form No. A2-G, effective July 1, 1998.

(h) Periodic Water Use Reporting Form, NFWFMD Form No. A2-H, effective July 1, 1998.

(i) Water Use Summary Reporting Form, NFWFMD Form No. A2-I effective July 1, 1998.

(2) These forms are available at the following District offices:

(a) District Headquarters, Permitting Section, Route 1, Box 3099, Havana, FL 32333-9700, (850) 539-5999;

(b) Marianna field office, 4765 Pelt Street, Marianna, FL 32446-0900, (850) 482-9522; and

(c) Pensacola field office, 2261 W. Nine Mile Road, Pensacola, FL 32534-9416, (850) 484-5125.

Specific Authority 373.044, 373.171 FS.  
Law Implemented 373.219, 373.229 FS.  
History—New 10-1-82; Amended 1-5-86, 8-1-89, 5-31-92, 10-1-95, 7-1-98.

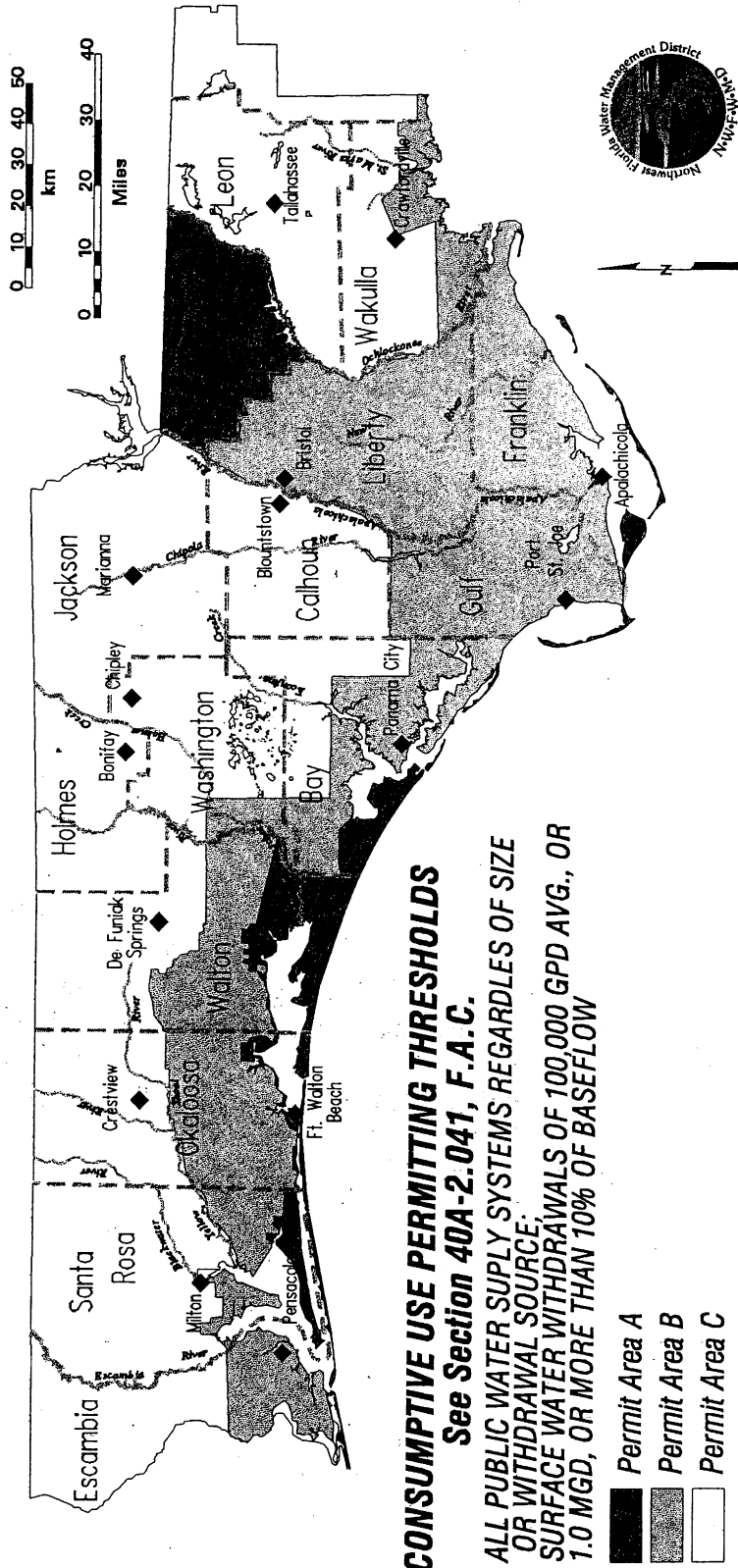
#### **40A-2.902 AREAL BOUNDARY MAPS FOR WATER USE PERMITTING**

General areal boundaries for Areas A, B and C are established for the implementation of water use permitting pursuant to this Chapter and are indicated in Figure 2-1. These boundaries are depicted in specific detail for each of the 16 counties within the District on general county highway maps. These maps are hereby incorporated by reference, and the public may obtain copies of these maps by contacting the District at Route 1, Box 3099, Havana, FL 32333-9700, (850) 539-5999.

Specific Authority 373.044, 373.171 FS.  
Law Implemented 373.216 FS.  
History—New 10-1-82; Amended 1-5-86; 5-4-87, 8-1-89, 5-31-92, 7-1-98.



**Figure 2-1**  
**GENERAL MAP FOR WATER USE PERMITTING**  
**REF. SECTION 40A-2.902, F.A.C.**  
**EFFECTIVE DATE: MAY 31, 1992**



#### **40A-2.903 PERMITTING CAPACITY TABLE**

Specific Authority 373.044, 373.171 FS.  
Law Implemented: 373.216, 373.171 FS.  
History—New 10-1-82; Repealed 1-5-86.

#### **40A-2.904 AREAL BOUNDARY MAPS FOR WATER RESOURCE CAUTION AREAS**

(1) Areal boundaries for the Santa Rosa, Okaloosa, and Walton County Water Resource Caution Area encompassing the area south of Eglin Air Force Base in Santa Rosa, Okaloosa, and Walton County, also the area extending south of SR-20 in Walton County to the Bay County Line are established for the implementation of water use permitting pursuant to this Chapter and are indicated in Figure 2-2. These boundaries are depicted in specific detail for each of these counties on general county highway maps. These maps are hereby incorporated by reference, and

the public may obtain copies of these maps by contacting the District at Route 1, Box 3099, Havana, FL 32333-9700, (850) 539-5999.

(2) Areal boundaries for the Upper Telogia Creek Drainage Basin Water Resource Caution Area are established for the implementation of water use permitting pursuant to this Chapter and are indicated in Figure 2-3. These boundaries are depicted in detail on the Gadsden County general county highway map. This map is hereby incorporated by reference and the public may obtain copies of the map by contacting the District at Route 1, Box 3099, Havana, FL 32333-9700, (850) 539-5999.

Specific Authority 373.044, 373.171 FS.  
Law Implemented: 373.216 FS.  
History—New 8-1-89; Amended 5-31-92, 11-1-93.



# CONSUMPTIVE USE PERMIT

## Application for Agriculture, Aquaculture and Golf Course Uses

*District Use Only*

CUPA #: \_\_\_\_\_

Color: Green

Northwest Florida Water Management District  
Route 1, Box 3099, Havana, FL 32333-9700 (850) 539-5999 (Suncom) 771-2080

### SECTION I - INSTRUCTIONS TO THE APPLICANT

1. Type or print in INK.
2. Please submit TWO (2) COPIES of this application and all other submitted materials (letters, maps, etc.).
3. A checklist and example of water use calculations are provided on pages 7 and 8.

### SECTION II - GENERAL INFORMATION

1. TYPE OF APPLICATION:  
☐ New (Proposed) ☐ Unpermitted (Existing) ☐ Modification ☐ Renewal
2. WATER USE PERMIT NUMBER (if application is for renewal or modification): \_\_\_\_\_
3. APPLICANT (Complete legal name in which permit should be issued)  
NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE, ZIP: \_\_\_\_\_  
DAY PHONE: \_\_\_\_\_ NIGHT PHONE: \_\_\_\_\_  
Applicant is: ☐ Owner ☐ Lessee ☐ Other (explain) \_\_\_\_\_
4. AGENT OR CONSULTANT Address all correspondence to the person below? ☐ Yes ☐ No  
NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE, ZIP: \_\_\_\_\_  
DAY PHONE: \_\_\_\_\_ NIGHT PHONE: \_\_\_\_\_
5. OWNER (IF OTHER THAN APPLICANT)  
NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE, ZIP: \_\_\_\_\_  
DAY PHONE: \_\_\_\_\_ NIGHT PHONE: \_\_\_\_\_

### SECTION III - PROPERTY CONTROL

Is the IRRIGATED PROPERTY(S) owned or leased?  
☐ Owned ☐ Leased

Is the PROPERTY AT THE WITHDRAWAL POINT(S) owned or leased?  
☐ Owned ☐ Leased

If leased, specify expiration date and whether it is renewable.

Lease Expiration Date: \_\_\_\_\_ Renewable? ☐ Yes ☐ No

If requested, a copy of the current lease (signed by the property owner) detailing the lease arrangement and the duration of the lease must be submitted.

## SECTION IV - CLASSIFICATION

Check applicable classification:

- ☐ Agricultural Irrigation (Row crops, Nursery stock, etc.)
- ☐ Aquacultural (Fish Farms)
- ☐ Freeze Protection
- ☐ Golf Course Irrigation
- ☐ Livestock
- ☐ Nursery (non-Agricultural)
- ☐ Other (explain) \_\_\_\_\_

## SECTION V - CONSUMPTIVE WATER USE INFORMATION

1. **CULTIVATED CROPS:** Water use table for farming operations for Spring and/or Fall.

**Spring Planting Crop Water Use Table**

SPRING CROP TYPE	ESTIMATED PLANTING DATE (DAY and MONTH)	ESTIMATED HARVEST DATE (DAY and MONTH)	IRRIGABLE SOIL TYPE (SCS)	IRRIGATION SYSTEM TYPE	NET ACRES IRRIGATED

**Fall Planting Crop Water Use Table**

FALL CROP TYPE	ESTIMATED PLANTING DATE (DAY and MONTH)	ESTIMATED HARVEST DATE (DAY and MONTH)	IRRIGABLE SOIL TYPE (SCS)	IRRIGATION SYSTEM TYPE	NET ACRES IRRIGATED

2. **LIVESTOCK:** Annual Water Use Table.

**Livestock Water Use Table**

TYPE OF LIVESTOCK	NUMBER OF STOCK	GPD/HEAD**	USE GPD
1. _____			
2. _____			
3. _____			

\*\* ANIMAL

SUGGESTED USE PER ANIMAL (GPD)

Beef Cattle or Horses .....	12
Chickens .....	0.06
Dairy Cattle .....	170 (Includes cleaning and flushing)
Hogs .....	4

Source: Roth, Crow & Mahoney, An Introduction to Agricultural Engineering, Avi Publishing, Inc., Westcourt, Conn., 1982.

**SECTION V - CONSUMPTIVE WATER USE INFORMATION (CONTINUED)**

3. **AQUACULTURE (FISH FARMS): Annual water use information and table.** ☐ Not Applicable
- A. Types of fish grown: ☐ Fin Fish ☐ Crawfish ☐ Other (describe) \_\_\_\_\_
- B. Pond/Tank information: Group by volume (length x width x depth from normal water elevation to pond/tank bottom) in cubic feet. Specify the number of ponds/tanks in each group with overflow pipes or culverts, and list the depth from pond/tank bottom to the overflow/control elevation of the pipe or culvert.
- C. Where does overflow water discharge to? \_\_\_\_\_
- D. How many times per year are the ponds/tanks emptied? \_\_\_\_\_
- Where is the water discharged to? \_\_\_\_\_

**Aquacultural Water Use Table**

GROUPS	VOLUME CUBIC-FT	NUMBER OF PONDS/TANKS	NUMBER WITH OVERFLOW PIPES OR CULVERTS	DEPTH: POND BOTTOM TO PIPE/CULVERT INVERT
A.				
B.				
C.				

4. **GOLF COURSES: Annual Water Use Table** ☐ Not Applicable

**Golf Course Water Use Table**

NUMBER OF HOLES	NET ACRES OF IRRIGATED ROUGH/FAIRWAYS	NET ACRES OF IRRIGATED TEES & GREENS	IRRIGABLE SOIL TYPE (SCS)	IRRIGATION SYSTEM TYPE (SPRINKLER)	TOTAL PERVIOUS & IMPERVIOUS ACRES

**SECTION VI - USE OF RECYCLED AND/OR RECLAIMED WATER**

1. Is **RECYCLED RUNOFF WATER** (e. g., rainfall runoff) being utilized? ☐ Yes ☐ No  
If yes, please describe use, including average daily, maximum daily, and maximum monthly volumes.

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2. Is **RECLAIMED WATER** (treated wastewater) being utilized? ☐ Yes ☐ No  
If yes, complete Items A - C below.

- A. Has approval been received from the Department of Environmental Protection for all existing and proposed reuse projects? ☐ Yes ☐ No

- B. Volumes of any **RECLAIMED WATER** storage ponds on site:

Pond ID	Storage Volume (gal)

**SECTION VI - USE OF RECYCLED AND/OR RECLAIMED WATER (CONTINUED)**

C. RECLAIMED WATER sources and volumes provided (attach additional sheets if necessary).

VOLUME OF RECLAIMED WATER PROVIDED (MGD AVERAGE)	Reclaimed Water Sources		
	WASTEWATER UTILITY NAME: 1.	WASTEWATER UTILITY NAME: 2.	WASTEWATER UTILITY NAME: 3.
PRESENT			
5 YEAR			
7 YEAR			
10 YEAR			
LEVEL OF TREATMENT			

**SECTION VII - REQUESTED WITHDRAWAL AMOUNTS**1. APPLYING FOR GROUND WATER? ☐ Yes ☐ No

A. Total GROUND WATER amount requested (APPLY FOR TOTAL SYSTEM USAGE):

(1) Average Daily Rate of Withdrawal (ADR) \_\_\_\_\_ Gallons Per Day\*

(2) Maximum Daily Rate of Withdrawal (MDR) \_\_\_\_\_ Gallons Per Day\*\*

(3) Maximum Monthly Rate of Withdrawal (MMR) \_\_\_\_\_ Gallons Per Month

(4) Number of Consecutive Days MDR is to be pumped. \_\_\_\_\_ Days (Typically 3 days)

\* Total yearly water use divided by 365 days.

\*\* Maximum amount of water requested per 24 hours - cannot exceed system pump capacity.

B. WITHDRAWAL FACILITY

TOTAL NUMBER OF WELLS	IN USE	NOT IN USE	PROPOSED

2. APPLYING FOR SURFACE WATER? ☐ Yes ☐ No

A. Total SURFACE WATER amount requested (APPLY FOR TOTAL SYSTEM USAGE):

(1) Average Daily Rate of Withdrawal (ADR) \_\_\_\_\_ Gallons Per Day\*

(2) Maximum Daily Rate of Withdrawal (MDR) \_\_\_\_\_ Gallons Per Day\*\*

(3) Maximum Monthly Rate of Withdrawal (MMR) \_\_\_\_\_ Gallons Per Month

(4) Number of Consecutive Days MDR is to be pumped. \_\_\_\_\_ Days (Typically 3 days)

\* Total yearly water use divided by 365 days.

\*\* Maximum amount of water requested per 24 hours - cannot exceed system pump capacity.

B. WITHDRAWAL FACILITY

(1) Total Number of Existing Withdrawal Facilities: \_\_\_\_\_

(2) Total Number of Proposed Withdrawal Facilities: \_\_\_\_\_

(3) Name of Creek, Stream, River, Lake, or Impoundment: \_\_\_\_\_

3. Provide calculations that support the requested average daily rate (ADR), maximum daily rate (MDR), and maximum monthly rate (MMR) of withdrawals (site references, metered reports). An example for calculating water use amounts is provided on page 8.

(ADR): \_\_\_\_\_

(MDR): \_\_\_\_\_

(MMR): \_\_\_\_\_

## SECTION VIII - FACILITY INFORMATION

1. Check all applicable irrigation system types on the property:

- ☐ Flood                  ☐ Multiple Sprinkler (e. g., pop-up)                  ☐ Sprinkler (Traveling Guns)
- ☐ Micro-Drip              ☐ Seepage-Subirrigation                  ☐ Center Pivot
- ☐ Micro-Spray            ☐ Sprinkler (Container Nursery)              ☐ Other (explain) \_\_\_\_\_
- \_\_\_\_\_

2. GROUND WATER WITHDRAWAL TABLE (Please complete each item)

[illegible]

\* If available.

2. SURFACE WATER WITHDRAWAL TABLE (Please complete each item)

[illegible]

## SECTION IX - SITE WITHDRAWAL INFORMATION

### 1. WITHDRAWAL LOCATION

ADDRESS: \_\_\_\_\_

COUNTY, UNIT, BLOCK, LOT: \_\_\_\_\_

2. Number of acres: \_\_\_\_\_ Owned \_\_\_\_\_ Leased \_\_\_\_\_
3. If the application is for a multiple well system, a well 6" or larger in size, or a surface water withdrawal, then submit a United States Geological Survey 7 - 1/2 minute topographic quad map (or copy) that delineates the following items:
- A. Name of the quad map used (Example: QUINCY QUAD)
  - B. Property boundaries.
  - C. Approximate location of all existing AND proposed wells and/or surface water withdrawal pumps - with identification numbers (e. g. Well #1, Pump #1, etc.).
  - D. Surface water management ponds used for irrigation, aquaculture, or livestock purposes.
  - E. Potential impacts to wetlands MAY require the submittal of a recent aerial map having a minimum scale of 1" = 2,000 feet.
4. Provide the dimensions and volumes (acre-feet) of all surface water ponds/lakes used for irrigation, aquacultural or livestock purposes (e.g. surface acreage x average pond depth = \_\_\_\_\_ acre-feet).

## SECTION X - MODIFICATION AND PERMIT COMPLIANCE

If this application is for a modification, please describe the modification requested and the reason the modification is necessary. For modification and renewal requests, describe the applicant's compliance with **EACH** of the conditions of the existing permit:

MODIFICATION DESCRIPTION: \_\_\_\_\_

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PERMIT CONDITION COMPLIANCE: \_\_\_\_\_

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## SECTION XI - IMPACTS

Please attach a detailed description of the anticipated impacts on the resource and on existing legal users which could be impacted by the proposed use. The District shall require any other necessary information in accordance with the provisions of Section 40A-2.101(3), Florida Administrative Code and Chapter 373.223, Florida Statutes.



## SECTION XII - CONSERVATION

1. Does the identified property have the following?

Soil Conservation Plan? ☐ Yes (attached) ☐ No ☐ Pending

Irrigation Water Management Plan? ☐ Yes (attached) ☐ No ☐ Pending

2. Provide a description of activities undertaken to conserve water and minimize off-site surface water runoff (attach additional sheets if necessary): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## SECTION XIII - APPLICANT CERTIFICATION

I hereby certify that the information contained herein is true and accurate and that I have legal authority to undertake the activities described herein and execute this application.

Further, I authorize \_\_\_\_\_ to act as my agent for permit application coordination.

\_\_\_\_\_  
APPLICANT SIGNATURE

\_\_\_\_\_  
DATE

I hereby certify that I am the authorized agent of the applicant.

\_\_\_\_\_  
AGENT SIGNATURE

\_\_\_\_\_  
DATE

I hereby certify that the applicant has sufficient legal control of the property described in this application.

\_\_\_\_\_  
PROPERTY OWNER SIGNATURE

\_\_\_\_\_  
DATE

## APPLICANT CHECKLIST

- |   |   |
|---|---|
| 1. Appropriate permit processing fee (check only) | <input type="checkbox"/> Attached*  |
| 2. Complete legal name was provided in Section II | <input type="checkbox"/> Provided   |
| 3. Copy of legal description (deed, lease)        | <input type="checkbox"/> Attached <input type="checkbox"/> N/A                                  |
| 4. S. C. S. conservation plan                     | <input type="checkbox"/> Attached <input type="checkbox"/> Pending <input type="checkbox"/> N/A |
| 5. S. C. S. irrigation and water management plan  | <input type="checkbox"/> Attached <input type="checkbox"/> Pending <input type="checkbox"/> N/A |
| 6. Description of Anticipated Impact(s)           | <input type="checkbox"/> Attached   |
| 7. U. S. G. S. 7 - 1/2 minute topographic map     | <input type="checkbox"/> Attached   |
| 8. Two (2) copies of all materials                | <input type="checkbox"/> Attached   |

- \* All permit processing fees are non-refundable and are based upon the average daily withdrawal rate (ADR). To determine one's permit processing fee - compare the requested ADR amount(s) of Section VII to the matrix below:

AVERAGE DAILY WITHDRAWAL RATE (ADR) GALLONS	PROCESSING FEE
Less than 25,000 gallons per day, average .....	\$ 100.00
25,000 to 99,999 gallons per day, average .....	\$ 250.00
100,000 to 499,999 gallons per day, average .....	\$ 500.00
500,000 to 999,999 gallons per day, average .....	\$ 1,000.00
1,000,000 to 1,999,999 gallons per day, average .....	\$ 2,000.00
2,000,000 gallons or more per day, average .....	\$ 3,000.00
Permit Transfer .....	\$ 50.00
Temporary Permit (in addition to the fees identified above) .....	\$ 50.00

Please address all correspondence to the following address:

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
ATTN: Consumptive Use - Division of Resource Regulation  
Route 1, Box 3099, Havana, Florida 32333-9700

Telephone: (850) 539-5999, Suncom: (850) 771-2080

#### **A FARMING EXAMPLE OF WATER REQUESTED FOR WITHDRAWAL IN SECTION VI:**

Using the farmer's most water intensive scenario, a farmer proposes to grow 30 acres of tomatoes in the spring followed by 30 acres of tomatoes in the fall (using a drip irrigation system under plastic).\*

##### **CALCULATION OF TOTAL ANNUAL WATER USE REQUIREMENT:**

SPRING: 30 acres x 20 inches / acre x 27,154 gallons / acre-inch = 16,292,400 gallons  
FALL: 30 acres x 15 inches / acre x 27,154 gallons / acre-inch = 12,219,300 gallons  
TOTAL ANNUAL WATER USE ..... = 28,511,700 gallons

##### **AVERAGE DAILY WATER USE REQUEST (ADR):**

28,511,700 gallons / year / 365 days per year ..... = 78,114 gallons per day  
ADR ..... = 78,114 gallons per day

##### **MAXIMUM DAILY WATER USE REQUEST (MDR):**

For this example, the maximum daily withdrawal amount is calculated by identifying the week of the year during which the farmer should experience the peak water use demand and by determining the daily irrigational crop requirement for this time period based on a daily irrigation schedule.

JUNE: 30 acres x 2 inches / acre x 27,154 gallons / acre-inch ..... = 1,629,240 gallons / week  
1,629,240 gallons / week / 7 days / week ..... = 232,749 gallons per day  
MDR ..... = 232,749 gallons per day

##### **MAXIMUM MONTHLY WATER USE REQUEST (MMR):**

For this example, the month with the highest water use demand occurs in June. The maximum month can vary for each farmer according to crop type, acres irrigated, irrigation method, planting schedules, etc.

JUNE: 30 acres x 7 inches / acre x 27,154 gallons / acre-inch ... = 5,702,340 gallons  
MMR ..... = 5,702,340 gallons

##### **FOR THIS EXAMPLE, THE FARMER SHOULD REQUEST THE FOLLOWING AMOUNTS IN SECTION VI - REQUESTED WITHDRAWAL AMOUNTS OF THE APPLICATION:**

ADR = 78,000 GALLONS PER DAY  
MDR = 233,000 GALLONS PER DAY  
MMR = 5,700,000 GALLONS PER MONTH

- \* The source for the estimated tomato crop water use requirements (inches of water) was from the Institute of Food and Agricultural Sciences (IFAS - Agricultural and Research Station in Quincy, Florida). Actual irrigation use may vary for any particular farmer.